

FORM PTO 1449

(REV. 6-89)

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Attorney's Docket No.

19570-04683

Serial No.

09/759,624

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant

Eunjoo Hwang, et al.

Filing Date

January 12, 2001

Group Art Unit

2631

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>JS</i>	A	5,675,612	10/7/97	Solve et al.	375	326	
<i>JS</i>	B	5,581,585	12/3/96	Takatori et al.	375	376	
<i>JS</i>	C	4,995,031	2/19/91	Aly et al.	370	32.1	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>JS</i>	D	WO 98/39873	11.09.98	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JS</i>	E	Ungerboeck, Gottfried, "Fractional Tap-Spacing Equalizer and Consequences for Clock Recovery in Data Modems", IEEE Transaction on Communications, Vol. COM-24, No. 8, August 1976, pp. 856-864					

EXAMINER

S. J. J. J. J.

DATE CONSIDERED

6/13/04

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.

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Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Docket No. 59472.8041.1	Application No.: 09/759,624
	Applicant: HWANG et al. Filing Date: January 12, 2001	Group: 2631

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- Class	Filing Date
<i>JS</i>	A	3,697,689	10-10-72	Gibson			12-23-70
	B	4,995,031	2-19-91	Aly et al.			6-19-89

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
	C	WO 98/39873	9-11-98	Europe			X	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	D	
	E	
Examiner	<i>S. Bocure</i>	Date Considered <i>6/13/04</i>

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
A	3,697,680	10/10/72	Gibson	178	60.5	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

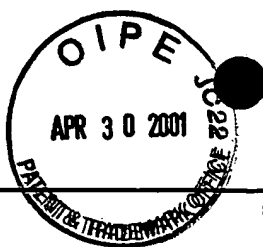
B	Mueller, Kurt H., and Müller, Markus, "Timing Recovery in Digital Synchronous Data Receivers", IEEE Transactions on Communications, Vol. COM-24, No. 5, May 1976, pp. 516-531
C	Belfiore, Carlos A., and Park, John H., Jr., "Decision Feedback Equalization", Proceedings of the IEEE, Vol. 67, No. 8, August 1979, pp. 1143-1156
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F	Gitlin, R.D., and Salz, J., "Timing Recovery in PAM Systems," The Bell System Technical Journal, V. 50, No. 5, May-June 1971, pp. 1645-1669
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Sheet 2 of 3

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J	Insight - COSSAP, "Design Synchronization Subsystems in COSSAP", copyright 2001 [online] [retrieved on 2001-04-13], Retrieved from the internet <URL: http://www.synopsys.com/products/dsp/insight/COSSAP_sync_app.html >, pp. 1-2
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S	Meyr, Heinrich, and Ascheid, Gerd, "Phase-, Frequency-Locked Loops, and Amplitude Control", Synchronization in Digital Communications, Volume 1, Wiley Series in Telecommunications, 1990, pp. 24-35 and 97

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